

ABSTRACT

Hub Unit Preventing the Spread of Viruses

In a communications network a hub unit is connected to multiple communication devices and has a primary storage unit that stores virus data patterns. In addition, the hub unit includes a secondary storage unit that temporarily stores data received from the communication devices, a virus detecting unit, and a virus preventing unit. The virus preventing unit disables transmission of data that is infected with a virus to other communication devices when the virus detecting unit determines that the data is infected with a virus by comparing the virus patterns stored in the primary storage unit with the data temporarily stored in the secondary storage unit. As a result, the hub unit prevents the spread of viruses to other communication devices.